Table A.2.21 Main Yard AOC 6A Summary of Boring Log and Analytical Data

Boring/ Date/ Report	Total Depth of Boring	Depth to Water[1]	Lithologic Description[2] (Observation Notes)	Maximum PID Response, ppm_v (Depth)	Sample Type[3]	Sample ID (Depth)	Analyses[4]	COC Concentrations greater than Delineation Criteria
S0983 1/21/03 PAOC 10	11	4	Fill: 0-10 (brick, white talc pieces at 1-2; catalyst beads, black product saturated at 6-7, black staining, catalyst beads at 8-9, black asphalt, wood fragments at 9-10) Clay: 10-11	467 (6.5-7)	O, S, F	S0983D2 6.5-7)	V, S, M	*Benzene: 1.6 mg/kg (Impact to Groundwater—not applicable)*
S0811 8/12/02 Full RFI AOC 6A	15	9	Fill: 0-9.5: (trace catalyst beads at 0.5-9.5; black stained at 8-9 Peat and clay: 9.5-15	1075 (8-8.5)	O, U, F	S0811A4 (1.5-2)	V, S, M	Benzo(a)anthracene: 0.99J mg/kg **Benzo(a)pyrene: 1.4J mg/kg** Benzo(b)fluoranthene: 0.91J mg/kg Lead: 515 mg/kg
					O, U, F	S0811D4 (7.5-8)	V, S, M, SPLP metals, Phys. Char.	Benzo(a)anthracene: 6.7 mg/kg **Benzo(a)pyrene: 9.5 mg/kg** Benzo(b)fluoranthene: 5.5 mg/kg Benzo(k)fluoranathene: 0.99J mg/kg Dibenzo(a,h)anthracene: 1.3J mg/kg Indeno(1,2,3-cd)pyrene: 1.7J mg/kg Arsenic: 45.5 mg/kg Iron: 31800 mg/kg
					O, S, N	S0811H2 (14.5-15)	V, S, M	Iron: 28400 mg/kg
S0810 8/12/02 Full RFI AOC 6A	15	6	Fill: 0-10.5: (black stained, trace slag at 3-4; black stained, NAPL-watery at 6-7) Peat, clay and sand: 10-15	1300 (2-2.5)	O, U, F	S0810A4 (1.5-2)	V, S, M	Iron: 25300 mg/kg
					O, U, F	S0810B1 (2-2.5)	V, S, M	**Benzene: 2.2 mg/kg** Benzo(a)anthracene: 5.1 mg/kg **Benzo(a)pyrene: 5.9 mg/kg** Benzo(b)fluoranthene: 3.2 mg/kg Dibenzo(a,h)anthracene: 0.86J mg/kg Indeno(1,2,3-cd)pyrene: 1.1J mg/kg Arsenic: 35.1 mg/kg

Table A.2.21 Main Yard AOC 6A Summary of Boring Log and Analytical Data

Boring/ Date/ Report	Total Depth of Boring	Depth to Water[1]	Lithologic Description[2] (Observation Notes)	Maximum PID Response, ppm_v (Depth)	Sample Type[3]	Sample ID (Depth)	Analyses[4]	COC Concentrations greater than Delineation Criteria
								Iron: 33400 mg/kg
					O, S, N	S0810F4 (11.5-12)	V, S, M	Iron: 27500 mg/kg
H0418 9/29/99 2nd OWSS (NF4)	16	6	Fill: 0-11: (some staining at 9-11) Clay with Sands: 11-16	184 (14-15)	Water	H0418	V, S, M	**Benzene: 23 ug/l** Lead: 48 ug/l
H0417 9/29/99 2nd OWSS (NF4)	12	5	Fill: 0-10: (fly ash, globules of black liquid, odor at 9-10 Clay with Sands: 10-12	107 (7-8)	Water	H0417	V, S, M	Arsenic: 8.16 ug/L Lead: 44.61 ug/L
SB0172 12/15/95 1st Soils AOC 6A	8	3.5	Fill: 0-8: (black staining at 0-6; petroleum odor at 6-8)	114 (6-8)	O, S, F	SB0172SD (6-8)	TPH	None
B34 10/24/91 DRAI AOC 6A	16	NA	Fill: 0-16: (Strong petroleum odor at 2-8)	NA	O, U, F	B-34 (4-4.5)	V, S, M TPH	None
					O, U, F	B-34 (6-7)	V, S, M, TPH	None
					O, U, F	B-34 (11-12)	TPH	None
B25 (B26?) 9/20/91 DRAI AOC 6A	14	NA	Fill: 0-12: (catalyst beads at 4-12; hydrocarbon odor at 2-4; hydrocarbon stains at 6-8) Clayey silt with peat: 12-14	120 (10-12)	None			

NOTES:

Benzene and benzo(a)pyrene are highlighted in bold because they are indicator constituents of concern (COCs)

Shaded rows indicate samples collected from nearby SWMUs/AOCs

ppm_v = parts per million (volume basis)

All depths referenced on this summary table are in feet below the ground surface.

PID = Photoionization detector.

ID = Identifier.

mg/kg = milligrams per kilogram (equivalent to parts per million).

µg/L = micrograms per liter (equivalent to parts per million).

[1]Depth to water as observed during borehole advancement.

[2]"Fill" encountered within the completed borings was characteristically described as an asphalt layer (typical) underlain by a heterogeneous gravel to clay mixture of unconsolidated materials, ranging in color from tan to gray with occasional construction debris (e.g., brick) present. In some locations, the fill material is further characterized by containing a slag or beaded material, in which case it is noted within the table. Also noted on the table are any other olfactory or visual observations that indicate potential petroleum-type impacts within the fill unit were observed.

[3]P – property boundary, O – on-site, U – unsaturated, S – saturated, F – fill, N – native. "None" indicates that no sample was collected.

[4]V – VOCs, S – SVOCs, M – metals, Pb – lead, TOL – total organic lead, TEL – tetraethyl lead, TPH – Total Petroleum Hydrocarbons; SPLP– Synthetic Precipitation Leaching Procedure; -Phys. Char.--physical characteristics.